DERWENT-ACC-NO:

2003-565454

DERWENT-WEEK:

200444

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TITLE:

RAM testing device

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PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2001KR-0053619 (August 31, 2001)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE PAGES MAIN-IPC

KR 421955 B

March 11, 2004 N/A

000

G11C 029/00

KR 2003018996 A March 6, 2003 N/A

001

G11C 029/00

APPLICATION-DATA:

PUB-NO

APPL-DESCRIPTOR APPL-NO

APPL-DATE

KR 421955B

N/A

2001KR-0053619 August 31, 2001

KR 421955B

Previous Publ.

KR2003018996 N/A

KR2003018996A N/A

2001KR-0053619 August 31, 2001

INT-CL (IPC): G11C029/00

ABSTRACTED-PUB-NO: KR2003018996A

BASIC-ABSTRACT:

NOVELTY - A RAM testing device is provided, which is capable of judging an error state of a RAM exactly so as to improve an error testing property by inputting test data generated with a simple circuit to the RAM and testing the RAM according to an input result.

DETAILED DESCRIPTION - A test signal generating part(2) generates and output a pseudorandom bit sequence(PRBS) pattern signal for detecting an error of a RAM(1). An address generating part(3) adds an input address signal to the pattern signal and generates an output address signal delayed by one address selected from outputs of the RAM. A RAM control signal generating part(4) generates control signals of the RAM in synchronization with an

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address signal of the address generating part(3). A comparator(5) compares an input test signal of the test signal generating part and a pattern signal of the RAM loaded on an output address signal of the output address signal of the address generating part(3) and outputs an operation error judgment signal of the RAM.

CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: RAM TEST DEVICE

DERWENT-CLASS: S01 U11 U14

EPI-CODES: S01-G01A1; U11-F01C5; U11-F01D2B; U14-D;

11/24/07, EAST Version: 2.1.0.14

